

# Product Datasheet

## Human Proprotein Convertase 9/PCSK9 ELISA Kit (Colorimetric) KA1072

Unit Size: 1 Kit

Store at 4C in the dark.

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**KA1072****Human Proprotein Convertase 9/PCSK9 ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C in the dark.
<b>Product Description</b>	
<b>Description</b>	Quality control test: Standard curve. Human PCSK9 ELISA kit is a sandwich enzyme immunoassay for the quantitative measurement of human PCSK9 in serum, plasma, cell culture medium, and other biological media.
<b>Gene ID</b>	255738
<b>Gene Symbol</b>	PCSK9
<b>Species</b>	Human
<b>Kit Components</b>	Microplate: One microplate supplied ready to use, with 96 wells (12 strips of 8-wells) in a foil, zip-lock bag with a desiccant pack. Wells are coated with anti-PCSK9 polyclonal antibody as a capture antibody., 10X Wash Buffer: One 100 mL bottle of 10X buffer containing 2%Tween -20., Dilution Buffer: One bottle containing 60 mL of 1X buffer; use for reconstitution of PCSK9 Standard and sample dilution. Ready to use., PCSK9 Standard: One vial containing 50 ng of lyophilized recombinant PCSK9., HRP conjugated Detection Antibody: One vial containing 12 mL of HRP (horseradish peroxidase) conjugated anti-PCSK9 monoclonal antibody. Ready to use., Substrate Reagent: One bottle containing 20 mL of the chromogenic substrate, tetra-methylbenzidine (TMB). Ready to use., Stop Solution: One bottle containing 20 mL of 1 N H2SO4. Ready to use.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0.16 to 10 ng/mL
<b>Sensitivity</b>	0.154 ng/mL
<b>Inter Assay</b>	CV% < 4.32%
<b>Intra Assay</b>	CV% < 1.96%
<b>Assay Type</b>	Sandwich ELISA
<b>Spiking Recovery</b>	94.23%
<b>Suitable Sample Type</b>	Biological Medium, Cell Culture Medium, Plasma, Serum
<b>Sample Volume</b>	100 uL (1:100 prediluted)
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification
<b>Application Notes</b>	Useful for quantification.



## Publications

Soltanmohammadi E, Piran S, Mohammadi A et al. Serum sdLDL-C and Cellular SREBP2-Dependent Cholesterol Levels; Is There a Challenge on Targeting PCSK9? Journal of Medical Biochemistry. 2016-11-02 [PMID: 28670193]

Hossen B, Shabani M, Mohammadi A et al. Plasma PCSK9 level affects passively LAMP-2 expression; an evidence of transcription network. Gene Reports. 2016-01-01

Soltanmohammadi E, Piran S, Mohammadi A et al. Serum sdLDL-C and Cellular SREBP2-Dependent Cholesterol Levels; Is There a Challenge on Targeting PCSK9? Journal of Medical Biochemistry Sep 20 2016 12:00AM

Hossen B, Shabani M, Mohammadi A et al. Plasma PCSK9 level affects passively LAMP-2 expression; an evidence of transcription network. Gene Reports Jul 8 2016 12:00AM





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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